Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/14/2017 09:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124968	-1	1.37	124793	1.37
Blue	F	SSC	125000	124091	-1	3.28	124352	3.18
Blue	E	FITC	23615	22771	-4	2.39	1018	9.96
Blue	D	PE	26739	26216	-2	1.91	942	9.53
Blue	B	PerCP-Cy5-5	48339	47568	-2	3.38	1363	16.74
Blue	A	PE-Cy7	45021	45054	0	4.97	700	33.44
Red	C	APC	53064	52052	-2	2.90	2984	9.37
Red	A	APC-Cy7	57175	56513	-2	2.90	1178	10.99
Violet	B	V450	14728	14221	-4	4.84	682	9.51
Violet	A	V500	58621	57400	-3	4.68	2554	7.04

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18685	2.58	604	-10	N/A	N/A	Pass
Blue	F	SSC	61405	1.42	540	-6	N/A	N/A	Pass
Blue	E	FITC	113	39.65	541	-7	0.0224	234	Pass
Blue	D	PE	206	28.33	531	-5	0.1702	241	Pass
Blue	B	PerCP-Cy5-5	213	43.01	628	-7	0.0102	34	Pass
Blue	A	PE-Cy7	75	114.45	686	-7	0.0134	17	Pass
Red	C	APC	346	27.58	594	-3	0.0212	82	Pass
Red	A	APC-Cy7	127	40.07	576	-4	0.0059	1711	Pass
Violet	B	V450	83	41.93	468	-2	0.0436	1753	Pass
Violet	A	V500	186	22.81	496	-1	0.0140	343	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.41	-32.05	0.84
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.32
Red	19.78	14.40 - 21.60	N/A	N/A	32.01	32.26	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11054

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments